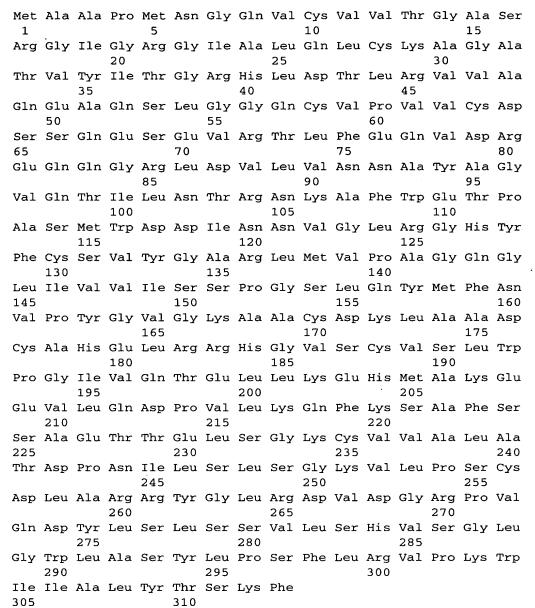


SEQUENCE LISTING

- (1) GENERAL INFORMATION
- (i) APPLICANT: Lal, Preeti Corley, Neil C.
- (ii) TITLE OF THE INVENTION: HUMAN SHORT CHAIN DEHYDROGENASE
- (iii) NUMBER OF SEQUENCES: 3
- (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: Incyte Pharmaceuticals, Inc.
 - (B) STREET: 3174 Porter Dr.
 - (C) CITY: Palo Alto
 - (D) STATE: CA
 - (E) COUNTRY: USA
 - (F) ZIP: 94304
- (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Diskette
 - (B) COMPUTER: IBM Compatible
 - (C) OPERATING SYSTEM: DOS
 - (D) SOFTWARE: FastSEQ for Windows Version 2.0
- (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER: To Be Assigned
 - (B) FILING DATE: Filed Herewith
 - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER:
 - (B) FILING DATE:
- (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: Billings, Lucy J.
 - (B) REGISTRATION NUMBER: 36,749
 - (C) REFERENCE/DOCKET NUMBER: PF-0475 US
- (ix) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: 650-855-0555
 - (B) TELEFAX: 650-845-4166
 - (C) TELEX:
 - (2) INFORMATION FOR SEQ ID NO:1:
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 313 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (vii) IMMEDIATE SOURCE:
 - (A) LIBRARY: PROSNOT01
 - (B) CLONE: 356351
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:





(2) INFORMATION FOR SEQ ID NO:2:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 1387 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (vii) IMMEDIATE SOURCE:
 - (A) LIBRARY: PROSNOT01
 - (B) CLONE: 356351
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

CTAACTTTGG	CCTGGGACTC	TGCCCCTCTA	CCTCAGCACA	GAATCGCCCC	GGGTCCTACT	60
ACAGAATCAA	TCCTTGAACA	CTGCCTCCAC	GTCGCCGGCT	CAATCTGGGC	GAGAACCCAG	120
ACTTCCACCG	CAGCCCCGCA	ATCTGCAGAC	CTCAGCGGCA	GCGCAGGTGG	CAGACCTGCC	180
TCCTTTGCCT	GTGAGTCATG	GCAGCTCCCA	TGAATGGCCA	AGTGTGTGTG	GTGACTGGTG	240





(2) INFORMATION FOR SEQ ID NO:3:

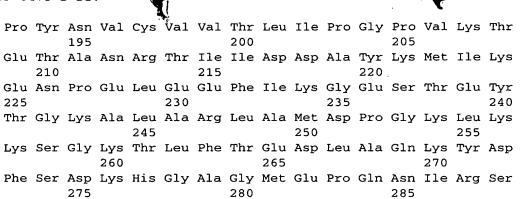
- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 323 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (vii) IMMEDIATE SOURCE:
 - (A) LIBRARY: GenBank
 - (B) CLONE: 2315796

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

Met 1	Gly	Val	Ile	Leu 5	Gln	Asp	Gln	Val	Ala 10	Leu	Val	Thr	Gly	Ala 15	Ser
Arg	Gly	Ile	Gly 20	Arg	Gly	Ile	Ala	Leu 25	Gln	Leu	Gly	Glu	Ala 30	Gly	Ala
Thr	Val	Tyr 35	Ile	Thr	Gly	Arg	Arg 40	Pro	Glu	Leu	Ser	Asp 45	Asn	Phe	Arg
Leu	Gly 50	Leu	Pro	Ser	Leu	Asp 55	Tyr	Val	Ala	Lys	Glu 60	Ile	Thr	Ser	Arg
Gly 65	Gly	Lys	Gly	Ile	Ala 70	Leu	Tyr	Val	Asp	His 75	Ser	Asn	Met	Thr	Glu 80
Val	Lys	Phe	Leu	Phe 85	Glu	Lys	Ile	Lys	Glu 90	Asp	Glu	Glu	Gly	Lys 95	Leu
Asp	Ile	Leu	Val 100	Asn	Asn	Val	Tyr	Asn 105	Ser	Leu	Gly	Lỳs	Ala 110	Thr	Glu
Met	Ile	Gly 115	Lys	Thr	Phe	Phe	Asp 120	Gln	Asp	Pro	Ser	Phe 125	Trp	Asp	Asp
Ile	Asn 130	Gly	Val	Gly	Leu	Arg 135	Asn	His	Tyr	Tyr	Cys 140	Ser	Val	Tyr	Ala
Ala 145	Arg	Met	Met	Val	Glu 150	Arg	Arg	Lys	Gly	Leu 155	Ile	Val	Asn	Val	Gly 160
Ser	Leu	Gly	Gly	Leu 165	Lys	Tyr	Val	Phe	Asn 170	Val	Ala	Tyr	Gly	Ala 175	Gly
Lys	Glu	Ala	Leu 180	Ala	Arg	Met	Ser	Thr 185	Asp	Met	Ala	Val	Glu 190	Leu	Asn

3

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Ile Arg Thr Ile Leu Gly Thr Met Gly Lys Glu Glu Val Ala Lys Tyr 295 300 Ile Pro Pro Gln Ile Lys Leu Pro Lys Trp Val Ile Trp Gln Ser Val

310 315

Asn Arg Phe